

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006158

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H01L21/316, 21/31, 29/78

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H01L21/316, 21/31, 29/78

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VISHWANATHAN Rangarajan et al., Comparison of hafnium silicate thin films on silicon (100) deposited using thermal and plasma enhanced metal organic chemical vapor deposition., Thin Solid Films, Vol.419, 2002, pages 1 to 4	1-5, 9-13, 16
X	JP 2003-297822 A (Tokyo Electron Ltd.), 17 October, 2003 (17.10.03), Par. Nos. [0147] to [0168]	1-5, 9-13, 16, 19
Y	& WO 2003/083925 A1	6-8, 14, 15, <u>17, 18, 20</u>
Y	JP 2004-79687 A (Tokyo Electron Ltd.), 11 March, 2004 (11.03.04), Par. Nos. [0023] to [0025], [0032] & US 2004/0195653 A1	6-8, 14, 15, 17, 18

 Further documents are listed in the continuation of Box C. See patent family annex.

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- "E" earlier application or patent but published on or after the international filing date
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Date of the actual completion of the international search
21 June, 2005 (21.06.05)Date of mailing of the international search report
05 July, 2005 (05.07.05)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-100627 A (Tokyo Electron Ltd.), 05 April, 2002 (05.04.02), Claims 1 to 6; Par. Nos. [0006] to [0011], [0055] to [0058] & US 2004/0023513 A1 & EP 1333475 A1 & WO 2002/009166 A1 & TW 520538 B	20
P,A	JP 2004-311782 A (Tokyo Electron Ltd.), 04 November, 2004 (04.11.04), Par. Nos. [0021] to [0030] & WO 2004/090966 A1	1-20